

Title (en)

LOW NOISE BLOCK DOWN-CONVERTER FOR DIRECT BROADCAST SATELLITE RECEIVER INTEGRATED WITH A FLAT PLATE ANTENNA

Publication

EP 0348370 B1 19930825 (EN)

Application

EP 89850194 A 19890612

Priority

US 21043388 A 19880623

Abstract (en)

[origin: EP0348370A2] A compact multi-layer flat antenna structure incorporating a low noise block down-converter on the power divider network layer of the antenna. RF circuit losses are reduced, and the antenna/receiver combination is made more compact, for flush mounting. The antenna/receiver combination finds particular utility in direct broadcast satellite (DBS) applications for single or dual orthogonal polarizations. The connection between the antenna and receiver may be implemented in stripline/ coplanar waveguide, or other known technologies such as microstrip, slotline, and finline.

IPC 1-7

H03D 9/06

IPC 8 full level

H01Q 21/06 (2006.01); **H01Q 21/24** (2006.01); **H01Q 23/00** (2006.01); **H03D 9/06** (2006.01)

CPC (source: EP KR US)

H01Q 1/00 (2013.01 - KR); **H03D 9/0641** (2013.01 - EP US)

Cited by

EP0523770A1; EP0543519A1; EP0553707A1; US5453755A; US6895224B1; WO0055965A1

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